

ANEXO 1

Plantilla de Configuración de Switches y Aseguramiento

EQUIPO: _____

COMANDO	APLICADO		JUSTIFICACIÓN DE NO APLICACIÓN
	SI	NO	
###Configurar hora			
configure timezone -300			
configure ntp server add (IP_ADDRESS) vr VR-D			
enable ntp vr VR-D			
###Configurar nombre			
conf snmp sysName HOSTNAME			
###Creacion Usuarios			
create account admin (USER)			
PASSWORD			
PASSWORD			
###Politica Usuarios			
configure account all password-policy min-length 8			
configure account all password-policy lockout-on-login-failures on			
configure account all password-policy lockout-time-period 5			
# COMANDOS DE PROTECCION DE CONTRASEÑAS			
enable cli-config-logging			
configure cli password prompting-only on			
configure idletimeout 10			
configure cli max-sessions 8			
configure cli max-failed-logins 3			
# COMANDO DE PROTECCION DE MEMORIA			
configure log target memory-buffer alert percent-full 90			
# COMANDO DE COLECCION DE DIAGNOSTICO			
enable tech-support collector			
### Habilitar eventos de auditoria completos			
enable cli config-logging			
### SSH			
enable ssh			
y			
disable telnet			
###Proteccion DDOS (OPCIONAL)			
enable dos-protect sim			
###DESHABILITAR LLDP			
enable lldp port all			
disable igmp			
#QOS			
configure vlan default delete ports all			
create qosprofile "QP6"			
configure dot1p type 5 qosprofile QP6			
configure diffserv examination code-point 46 qosprofile QP6			
configure diffserv replacement priority 5 code-point 46			

enable dot1p examination ports (PUERTOS_USER)			
enable dot1p replacement ports (PUERTOS_USER)			
enable diffserv examination ports (PUERTOS_USER)			
enable diffserv replacement ports (PUERTOS_USER)			
configure port (PUERTOS_USER) rate-limit flood multicast 30000			
configure port (PUERTOS_USER) rate-limit flood broadcast 30000			
enable diffserv replacement ports (PUERTOS_USER) qosprofile QP1			
enable diffserv replacement ports (PUERTOS_USER) qosprofile QP6			
enable diffserv replacement ports (PUERTOS_USER) qosprofile QP8			
enable dot1p replacement ports (PUERTOS_USER) qosprofile QP1			
enable dot1p replacement ports (PUERTOS_USER) qosprofile QP6			
enable dot1p replacement ports (PUERTOS_USER) qosprofile QP8			
#VLAN			
create vlan IMPRESORAS tag 22			
create vlan APORTES_SUBSIDIOS tag 23			
create vlan MEZANINE tag 24			
create vlan CONTABILIDAD tag 25			
create vlan COMPRAS_ADMINISTRATIVO tag 26			
create vlan FIDELIZACION tag 27			
create vlan TECNOLOGIA tag 28			
create vlan IPS tag 29			
create vlan RRHH tag 30			
create vlan DIRECCION tag 31			
create vlan TESORERIA tag 32			
create vlan ARCHIVO tag 33			
create vlan COMUNICACIONES tag 34			
create vlan JURIDICA tag 35			
create vlan CONTROL_INTERNO tag 36			
create vlan AGENCIA_TURISMO tag 37			
create vlan CALL_CENTER tag 38			
create vlan TARJETAS tag 39			
create vlan ZONA_RECREATIVA tag 40			
create vlan ADMIN_SWITCHES tag 1000			
create vlan INTERNET_ETB_CC tag 200			
create vlan INTERNET_IFX_PUBLIC tag 100			
create vlan INTERNET_C&W tag 300			
create vlan INTERNET_IFX_PRIV tag 400			
create vlan SERVIDORES_CHAPI tag 500			
create vlan VOIP tag 21			
#DESCRIPCION			
configure port 1 description (DESCRIPCION)			
#SHARING			
enable sharing (PUERTO_MASTER) grouping (PUERTO_MASTER+PUERTOS) algorithm address-based L2 lacp			
#DIRECCIONAMIENTO			
configure vlan IMPRESORAS ipaddress 192.168.12.2/25			
configure vlan APORTES_SUBSIDIOS ipaddress 192.168.12.130/27			
configure vlan MEZANINE ipaddress 192.168.12.162/27			
configure vlan CONTABILIDAD ipaddress 192.168.12.194/27			

configure vlan COMPRAS_ADMINISTRATIVO ipaddress 192.168.12.226/27			
configure vlan FIDELIZACION ipaddress 192.168.13.2/28			
configure vlan TECNOLOGIA ipaddress 192.168.13.18/28			
configure vlan IPS ipaddress 192.168.13.34/28			
configure vlan RRHH ipaddress 192.168.13.50/28			
configure vlan DIRECCION ipaddress 192.168.13.66/28			
configure vlan TESORERIA ipaddress 192.168.13.82/28			
configure vlan ARCHIVO ipaddress 192.168.13.98/28			
configure vlan COMUNICACIONES ipaddress 192.168.13.114/28			
configure vlan JURIDICA ipaddress 192.168.13.130/28			
configure vlan CONTROL_INTERNO ipaddress 192.168.13.146/28			
configure vlan AGENCIA_TURISMO ipaddress 192.168.13.162/28			
configure vlan CALL_CENTER ipaddress 192.168.13.178/28			
configure vlan TARJETAS ipaddress 192.168.13.194/28			
configure vlan ZONA_RECREATIVA ipaddress 192.168.13.210/28			
configure vlan ADMIN_SWITCHES ipaddress 192.168.10.2/24			
configure vlan INTERNET_ETB_CC ipaddress 192.168.14.2/24			
configure vlan SERVIDORES_CHAPINERO ipaddress 192.168.20.2/24			
configure vlan VOIP ipaddress 192.168.21.2/24			
configure iproute add default 192.168.10.1			
enable ntp vlan GESTION_SWITCHES			
configure dns-client add name-server 172.16.3.18 vr VR-Default			
#PORT-VLAN UNTAG			
configure vlan (NAME_VLAN) add port 1 untag			
#PORT-VLAN TAG			
configure vlan (NAME_VLAN) add port 1 tag			
#STP			
create stpd RSTP_COMFA			
configure stpd RSTP_COMFA mode dot1w			
configure stpd RSTP_COMFA rapid-root-failover			
configure stpd RSTP_COMFA default-encapsulation dot1d			
enable stpd RSTP_COMFA auto-bind vlan 1-4094			
configure stpd RSTP_COMFA ports link-type edge (PUERTOS_USER) edge-safeguard enable bpdu-restrict recovery-timeout 60			
configure stpd RSTP_COMFA ports link-type point-to-point (PUERTOS_TRUNK)			
disable stpd "s0"			
enable stpd RSTP_COMFA			
#SLPP			
enable slpp guard ports (PUERTOS_USER)			
#ELRP			
enable elrp-client			
configure elrp-client periodic (NAME_VLAN) ports all interval 1 log- and-trap disable-port ingress permanent (Aplicar para cada una de las VLAN)			

#JUMBO FRAMES			
enable jumbo-frame ports all			
#SNMP_V3			
configure snmpv3 add user (USER) authentication md5 (PASSWORD_MD5) privacy des (PASSWORD_DES)			
configure snmpv3 add group (NAME_GROUP) user (USER) sec-model usm			
configure snmpv3 add access (NAME_GROUP) sec-model usm sec-level priv read-view defaultAdminView write-view defaultAdminView notify-view defaultAdminView			
enable snmp access snmpv3			
disable snmpv3 default-group			